

AMENDMENTS TO THE CLAIMS

Claims 31-60 (Cancelled)

Claim 61 (Currently Amended) A terminal device,

wherein said terminal device ~~that~~ obtains, from a server device, information for using a content based on a transaction process a plurality of transaction processes, ~~and~~

wherein said terminal device controls use of the content based on the obtained information,

wherein each respective transaction process of the plurality of transaction processes ~~respectively including~~ includes successive processes including (a) a process of sending a request message from said terminal device, (b) a process of receiving a response message from the server device, and (c) a process of sending, from said terminal device, a commit message for finalizing a completion of the respective one transaction process of the plurality of transaction processes,

wherein the request message sent in each respective transaction process of the plurality of transaction processes includes a transaction flag that corresponds to a currently processed successive transaction process of the respective transaction process of the plurality of transaction processes ~~that is currently being processed and has, the transaction flag having~~ a value of 0 or 1,

wherein said terminal device includes:

a processor;

a holding unit programmed to hold the transaction flag;

a sending unit programmed to send a plurality of request messages including the request message that includes the transaction flag when the successive transaction processes of

one transaction process of the plurality of transaction processes are processed, and programmed to send the commit message finalizing the completion of the one transaction process;

a response receiving unit programmed to receive a plurality of response messages from the server device when the successive ~~transaction~~ processes of the one plurality of transaction process ~~processes~~ are processed;

an inverting unit programmed to generate [[a]] the transaction flag with having a value that is an inverse of a value of [[a]] the transaction flag included in a most recently ~~previously~~ sent request message sent by said sending unit; and

an updating unit programmed to update the transaction flag held by said holding unit to the transaction flag generated by said inverting unit,

wherein, said sending unit is programmed to, when said response receiving unit receives [[a]] the response message sent (i) from the server device without an occurrence of a communication error and (ii) in response to the most recently ~~previously~~ sent request message sent by said sending unit, send, in a second process or a following process of the one transaction process, other than a first process of the one transaction process, out of the successive ~~transaction~~ processes of the one transaction process. [[a]] the request message, including the transaction flag generated by said inverting unit, without sending [a] the commit message,

such that, when said response receiving unit receives the response message sent (i) from the server device without the occurrence of the communication error and (ii) in response to the most recently sent request message sent by said sending unit, the transaction flag is used as a substitute for the commit message being sent in response to the most recently sent request message, and

wherein said sending unit is programmed to send the commit message only in a last ~~transaction~~ process of the successive ~~transaction~~ processes of the one transaction process.

Claim 62 (Cancelled)

Claim 63 (Cancelled)

Claim 64 (Currently Amended) The terminal device according to Claim 63,

wherein said sending unit is programmed to:

send [[a]] the request message, for a next ~~transaction~~ process of the successive processes of the one transaction process, including the transaction flag inverted by said update unit, when [[a]] the response message is received by said response receiving unit without ~~an~~ the occurrence of [[a]] the communication error; and

send again [[a]] the request message, for ~~the a~~ a current transaction process of the successive processes of the one transaction process, including [[a]] the transaction flag ~~that is~~ not inverted by said update unit, when [[a]] the response message is not received by said response receiving unit without ~~an~~ the occurrence of [[a]] the communication error.

Claims 65-69 (Cancelled)

Claim 70 (Currently Amended) A transaction processing method of using ~~in~~ a terminal device that includes a memory₄

wherein the terminal device~~and that~~ obtains, from a server device, information for using a content based on a transaction process of a plurality of transaction processes,~~and~~

wherein the terminal device controls use of the content based on the obtained information,

wherein each respective transaction process of the plurality of transaction processes ~~respectively including~~ includes successive processes including (a) a process of sending a request message from the terminal device, (b) a process of receiving a response message from the server device, and (c) a process of sending, from the terminal device, a commit message for finalizing a completion of ~~the respective one~~ transaction process of the plurality of transaction processes,

wherein the request message sent in each respective transaction process of the plurality of transaction processes includes a transaction flag that corresponds to a currently processed successive transaction process of the respective transaction process of the plurality of transaction processes ~~that is currently being processed and has~~, the transaction flag having a value of 0 or 1, and

wherein said transaction processing method includes:

storing, in the memory of the terminal device, the transaction flag;

processing, using a processor, the successive processes of one transaction process of the plurality of transaction processes;

sending, using a sending unit of the terminal device, a plurality of request messages including the request message that includes the transaction flag, when the successive transaction processes of the one transaction process ~~the plurality of transaction processes~~ are processed;

receiving, using a receiving unit of the terminal device, a plurality of response messages from the server device, when the successive ~~transaction~~ processes of the one plurality of transaction process ~~processes~~ are processed;

generating, using an inverting unit of the terminal device, [[a]] the transaction flag with having a value that is an inverse of a value of [[a]] the transaction flag included in a most recently previously sent request message sent by said sending;

updating, using an updating unit of the terminal device, the transaction flag stored in the memory to the transaction flag generated by said generating of the transaction flag;

performing a control so that, when said receiving of the plurality of response messages receives [[a]] the response message sent (i) from the server device without an occurrence of a communication error and (ii) in response to the most recently previously sent request message, [[a]] the request message is sent, by the sending unit of the terminal device, in a second process or a following ~~transaction~~ process of the one transaction process, other than a first process of the one transaction process, out of the successive ~~transaction~~ processes of the one transaction process, the request message sent according to said performing of the control including the transaction flag generated by said generating of the transaction flag, and said performing of the control excluding a sending of [[a]] the commit message along with the request message sent according to said performing of the control,

such that, when said receiving receives the response message sent (i) from the server device without the occurrence of the communication error and (ii) in response to the most recently sent request message, the transaction flag is used as a substitute for the commit message being sent in response to the most recently sent request message; and

sending, using the sending unit of the terminal device, the commit message only
in a last-~~transaction~~ process of the successive-~~transaction~~ processes of the one transaction
process.

Claim 71 (Cancelled)

Claim 72 (Cancelled)

Claim 73 (Currently Amended) A computer-readable recording medium having a program recorded thereon, the program for causing a plurality of transaction processes to be executed in a terminal device,

wherein the terminal device~~that~~ obtains, from a server device, information for using a content based on a transaction process of the plurality transaction processes,~~and~~

wherein the terminal device controls use of the content based on the obtained information,

wherein each respective transaction process of the plurality of transaction processes ~~respectively including~~ includes successive processes including (a) a process of sending a request message from the terminal device, (b) a process of receiving a response message from the server device, and (c) a process of sending, from the terminal device, a commit message for finalizing a completion of the respective one transaction process of the plurality of transaction processes,

wherein the request message sent in each respective transaction process of the plurality of transaction processes includes a transaction flag that corresponds to a currently processed ~~successive-transaction~~ process of the respective transaction process of the plurality of transaction

~~processes that is currently being processed and has, the transaction flag having a value of 0 or 1,~~
and

wherein the program causes a computer in the terminal device to function as:

a holding unit that holds the transaction flag;

a sending unit that sends a plurality of request messages including the request message that includes the transaction flag-unit that, when the successive-transaction processes of one transaction process of the plurality of transaction processes are processed,~~sends a plurality of request messages including the request message that includes the transaction flag, and that~~
sends the commit message finalizing the completion of the one transaction process;

a response receiving unit that receives a plurality of response messages from the server device-unit that, when the successive-transaction processes of the one-plurality of transaction process-processes are processed, receives a plurality of response messages from the server device;

an inverting unit that generates ~~a~~ the transaction flag with having a value that is an inverse of a value of ~~[[a]] the~~ transaction flag included in a most recently-previously sent request message ~~sent by the sending unit; and~~

an updating unit that updates the transaction flag held by said holding unit to the transaction flag generated by said inverting unit,

wherein, when said response receiving unit receives ~~[[a]] the~~ response message sent (i) from the server device without an occurrence of a communication error and (ii) in response to the ~~most recently-previously~~ sent request message, said sending unit sends, in a second process or a following ~~transaction process of the one transaction process,~~ other than a first process of the one transaction process, out of the successive-~~transaction processes of the one transaction process,~~

[[a]] the request message, including the transaction flag generated by said inverting unit, without sending [[a]] the commit message,

such that, when said response receiving unit receives the response message sent (i) from the server device without the occurrence of the communication error and (ii) in response to the most recently sent request message sent by said sending unit, the transaction flag is used as a substitute for the commit message being sent in response to the most recently sent request message, and

wherein said sending unit ~~sends~~ sends the commit message only in a last ~~transaction~~ process of the successive ~~transaction~~ processes of the one transaction process.

Claim 74 (Cancelled)